

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122717\
 Data File : BG031820.D
 Acq On : 28 Dec 2017 6:33
 Operator : SJ/JU
 Sample : I7010-11
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 28 07:24:34 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

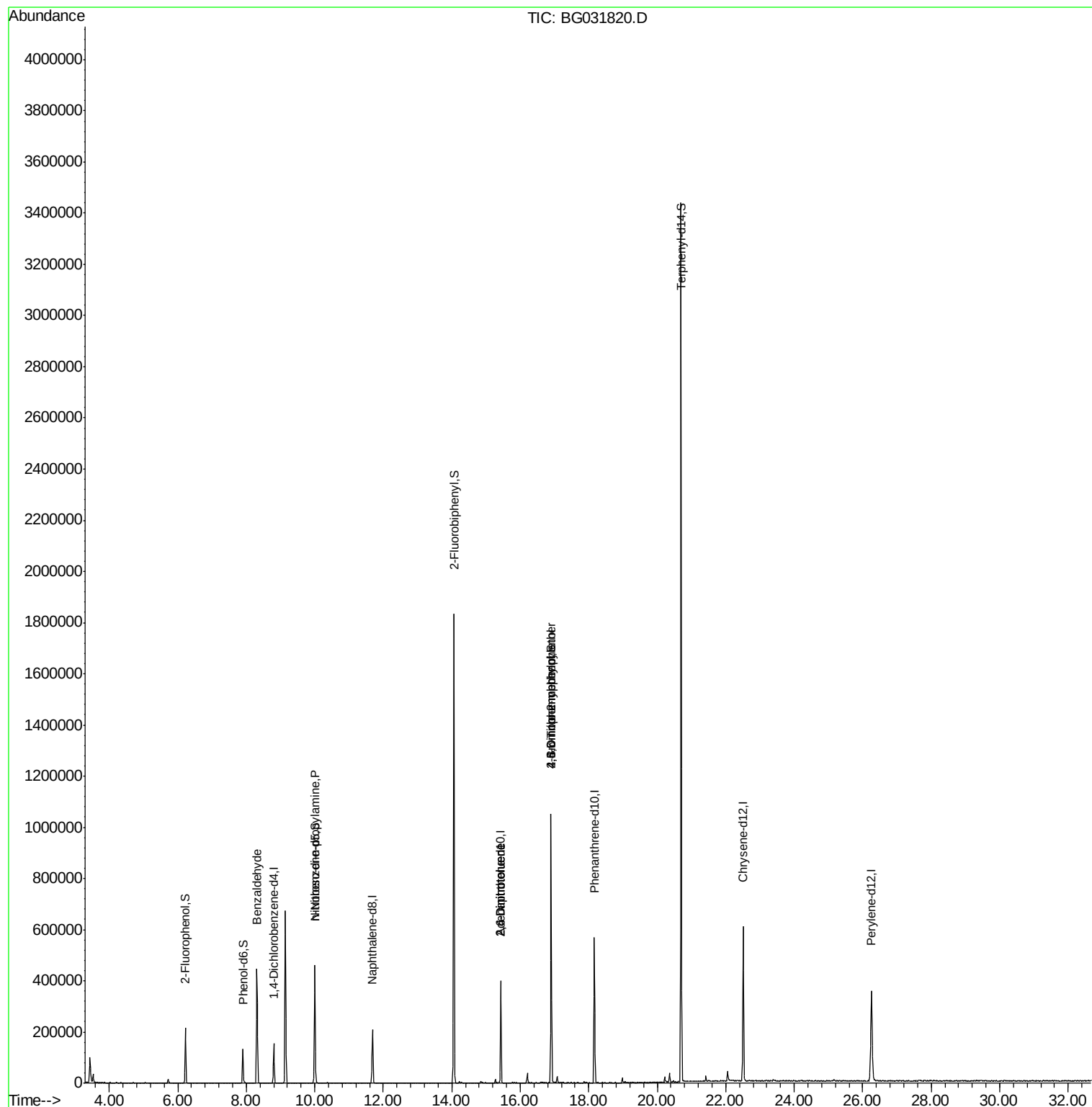
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	53397	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	217008	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	152360	20.00	ng	-0.03
63) Phenanthrene-d10	18.16	188	390089	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	464809	20.00	ng	-0.06
86) Perylene-d12	26.26	264	480873	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	121149	41.32	ng	-0.02
7) Phenol-d6	7.90	99	93749	24.63	ng	-0.03
23) Nitrobenzene-d5	10.00	82	301443	104.89	ng	-0.03
41) 2,4,6-Tribromophenol	16.90	330	256372	110.28	ng	-0.04
44) 2-Fluorobiphenyl	14.06	172	1130781	93.15	ng	-0.03
78) Terphenyl-d14	20.70	244	1785423	87.76	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.31	77	5477	2.390	ng	93
19) n-Nitroso-di-n-propylamine	10.00	70	39976	15.379	ng	# 67
50) 2,6-Dinitrotoluene	15.43	165	19689	7.974	ng	# 19
56) 2,4-Dinitrotoluene	15.43	165	19689	6.201	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.90	198	635	8.583	ng	# 68
66) 4-Bromophenyl-phenylether	16.91	248	20357	3.609	ng	# 1

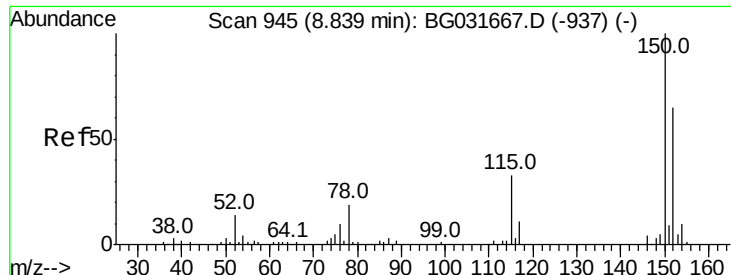
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.81 min Scan# 939

Delta R.T. -0.03 min

Lab File: BG031820.D

Acq: 28 Dec 2017 6:33

Instrument :

BNA_G

ClientSampleId :

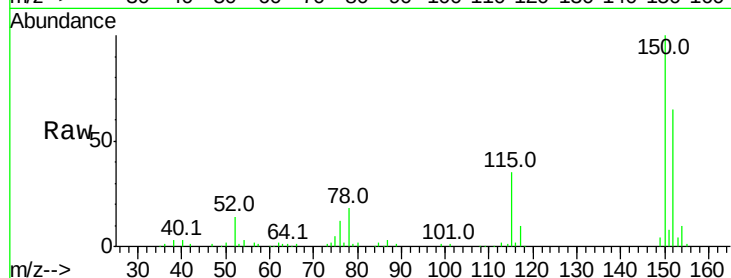
Tot Ion:152 Resp: 53397

Ion Ratio Lower Upper

152 100

150 153.6 126.6 189.8

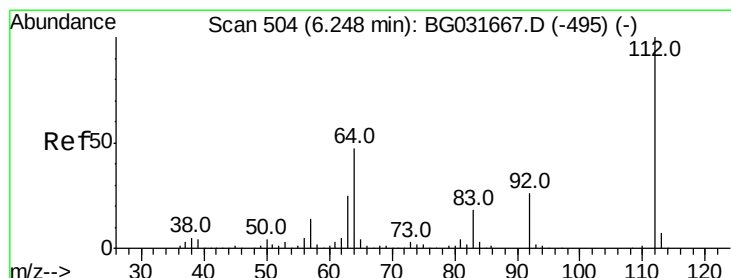
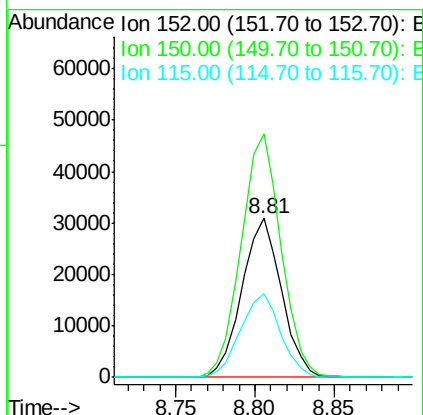
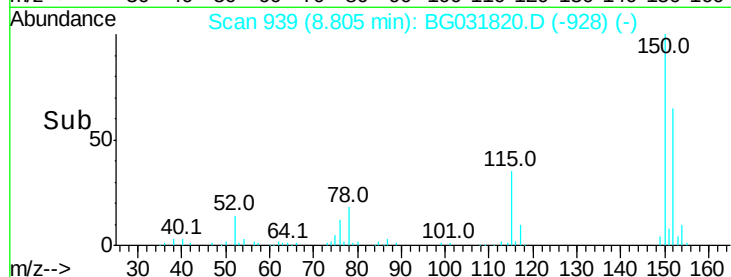
115 53.0 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 41.324 ng

RT: 6.23 min Scan# 500

Delta R.T. -0.02 min

Lab File: BG031820.D

Acq: 28 Dec 2017 6:33

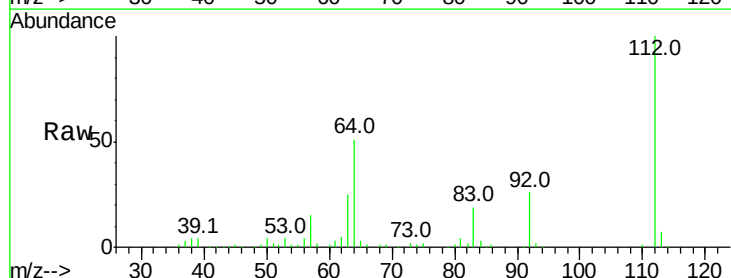
Tgt Ion:112 Resp: 121149

Ion Ratio Lower Upper

112 100

64 51.2 56.3 84.5#

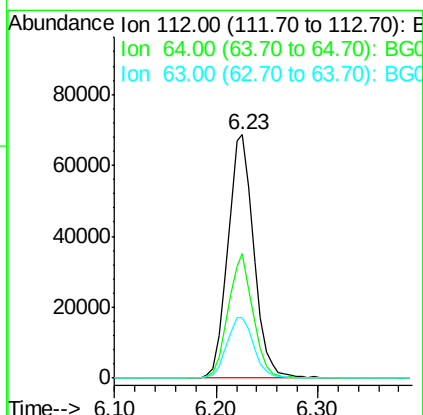
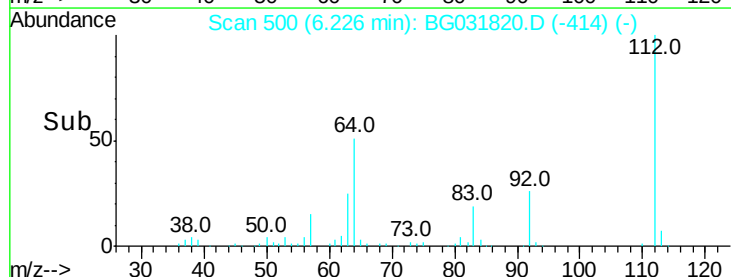
63 24.9 30.1 45.1#

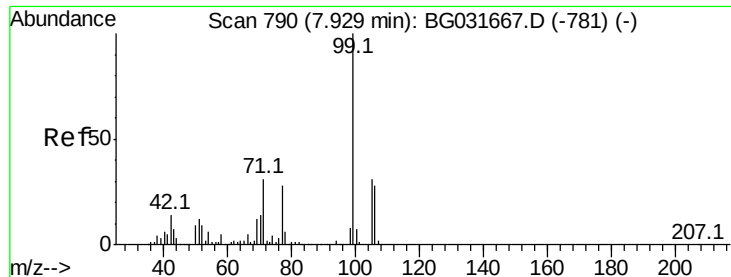


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 24.630 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031820.D

Acq: 28 Dec 2017 6:33

Instrument :

BNA_G

ClientSampleId :

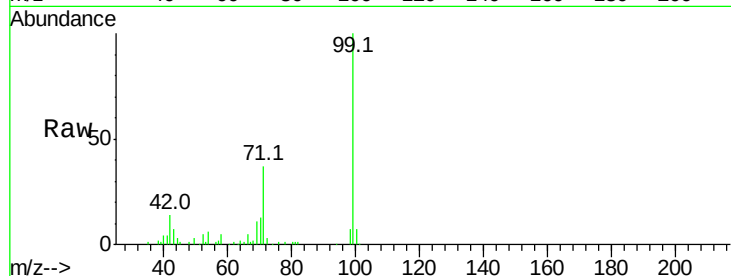
Tot Ion: 99 Resp: 93749

Ion Ratio Lower Upper

99 100

42 13.5 14.1 21.1#

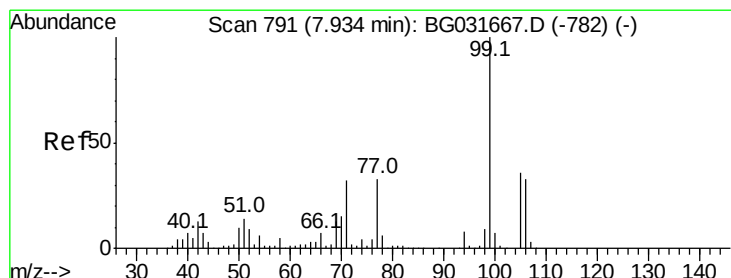
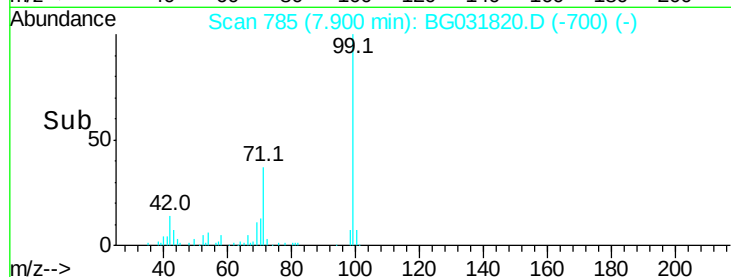
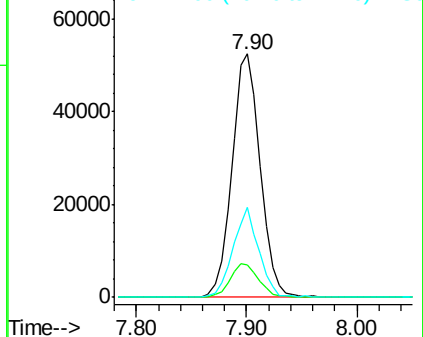
71 37.1 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 2.390 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031820.D

Acq: 28 Dec 2017 6:33

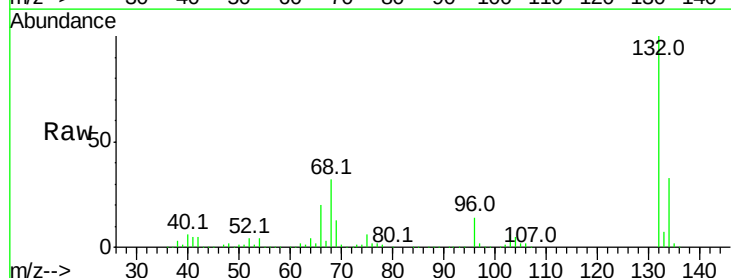
Tgt Ion: 77 Resp: 5477

Ion Ratio Lower Upper

77 100

105 88.2 71.3 111.3

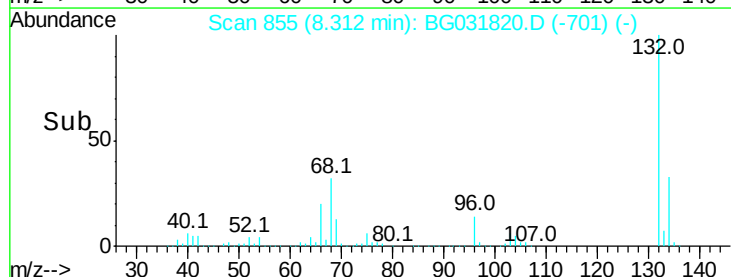
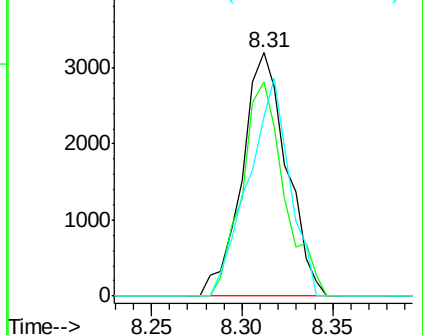
106 74.0 64.2 104.2

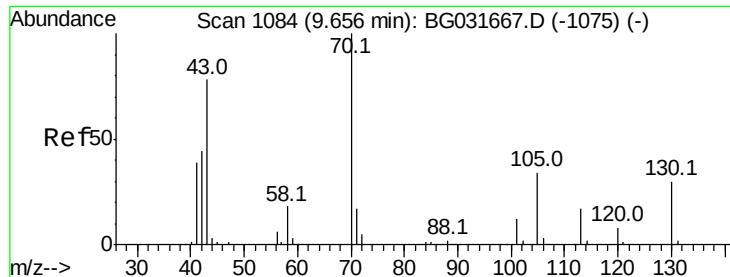


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

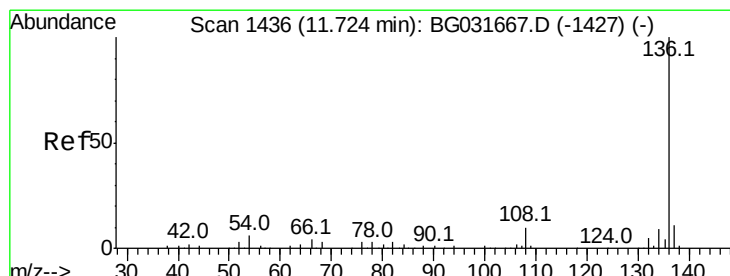
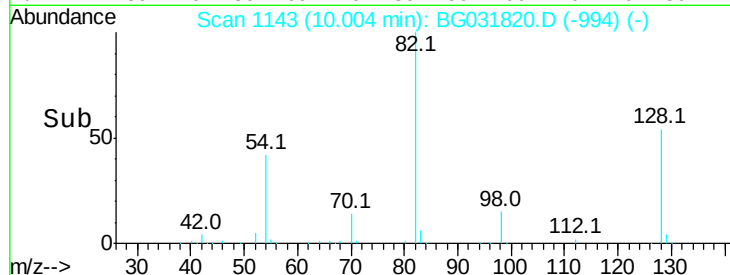
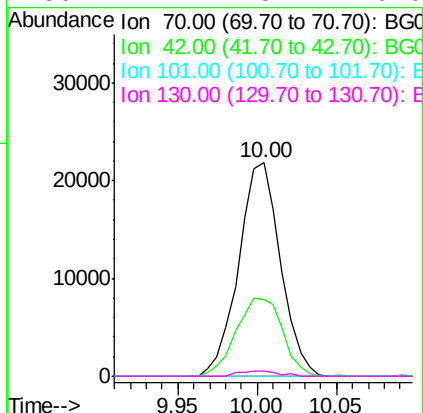
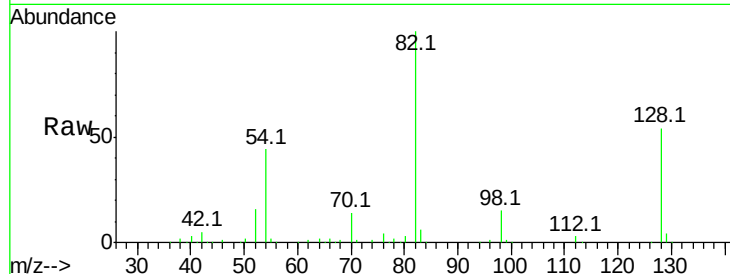




#19
n-Nitroso-di-n-propylamine
Concen: 15.379 ng
RT: 10.00 min Scan# 1143
Delta R.T. 0.35 min
Lab File: BG031820.D
Acq: 28 Dec 2017 6:33

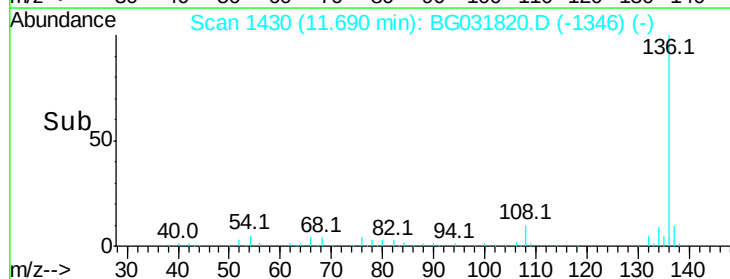
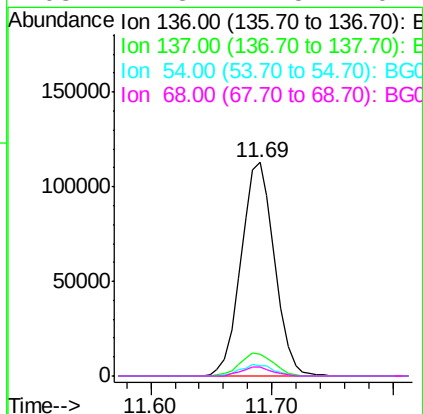
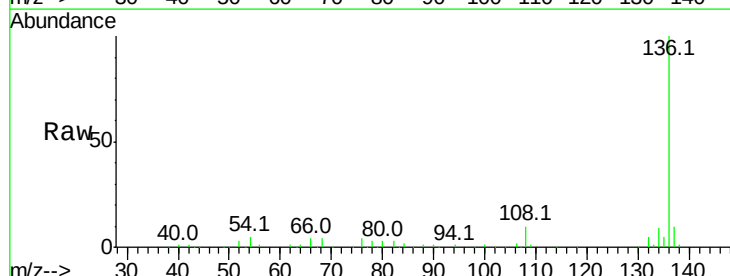
Instrument :
BNA_G
ClientSampleId :

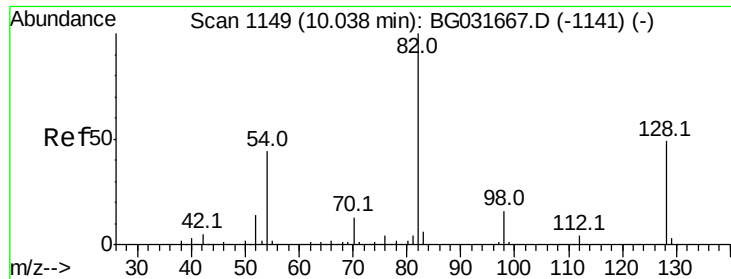
Tot Ion: 70 Resp: 39976
Ion Ratio Lower Upper
70 100
42 36.1 49.1 73.7#
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031820.D
Acq: 28 Dec 2017 6:33

Tgt Ion: 136 Resp: 217008
Ion Ratio Lower Upper
136 100
137 10.2 9.2 13.8
54 5.0 10.3 15.5#
68 4.3 4.5 6.7#

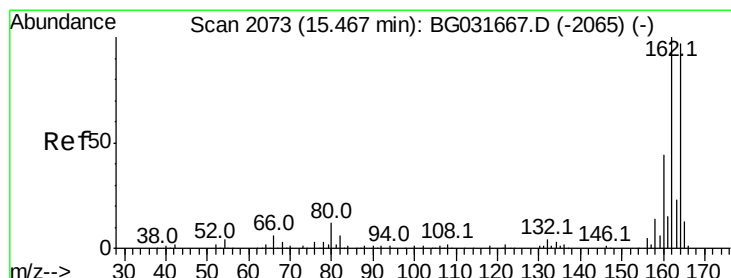
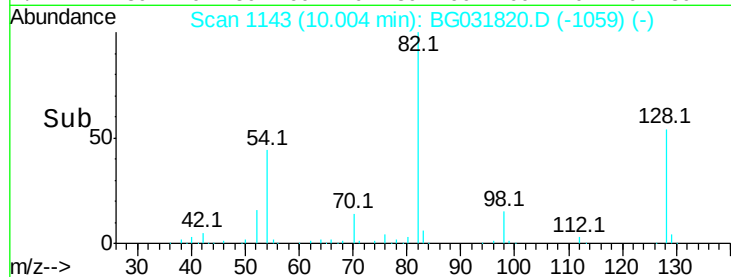
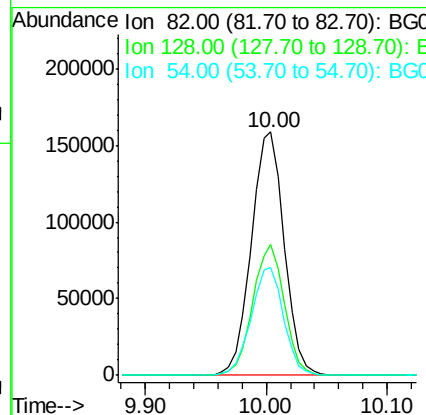
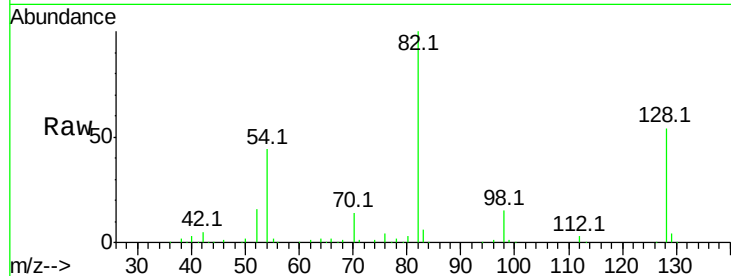




#23
 Nitrobenzene-d5
 Concen: 104.893 ng
 RT: 10.00 min Scan# 1143
 Delta R.T. -0.03 min
 Lab File: BG031820.D
 Acq: 28 Dec 2017 6:33

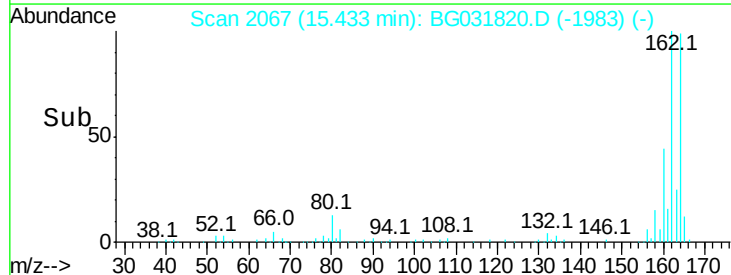
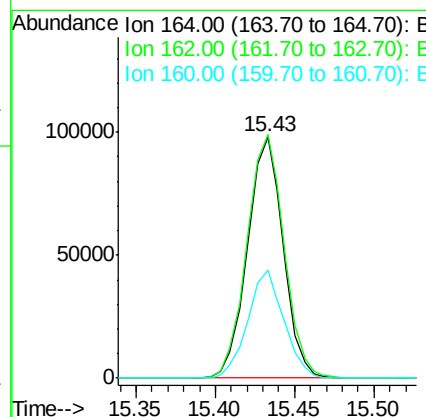
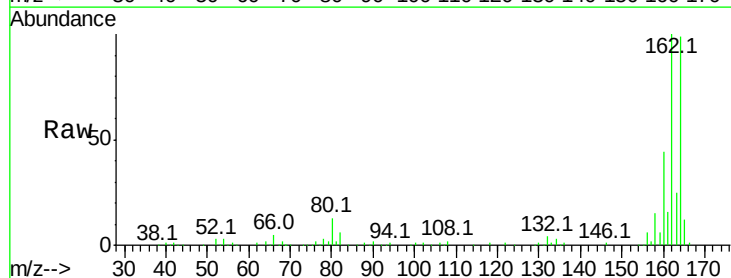
Instrument :
 BNA_G
 ClientSampled :

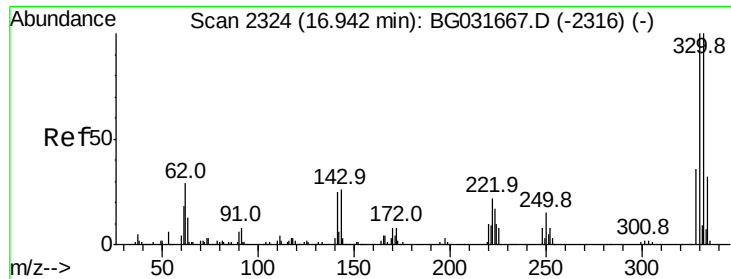
Tot Ion: 82 Resp: 301443
 Ion Ratio Lower Upper
 82 100
 128 53.9 29.7 44.5#
 54 44.2 43.1 64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.03 min
 Lab File: BG031820.D
 Acq: 28 Dec 2017 6:33

Tgt Ion:164 Resp: 152360
 Ion Ratio Lower Upper
 164 100
 162 101.0 78.8 118.2
 160 44.9 35.4 53.0

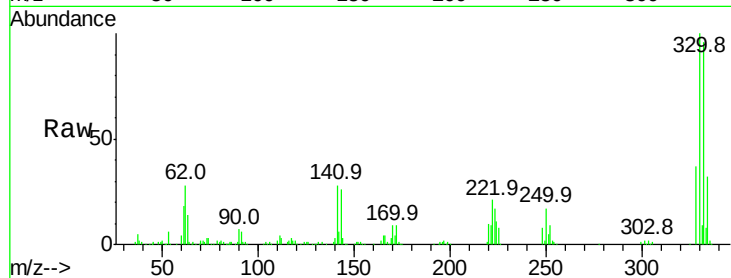




#41
 2,4,6-Tribromophenol
 Concen: 110.277 ng
 RT: 16.90 min Scan# 2317
 Delta R.T. -0.04 min
 Lab File: BG031820.D
 Acq: 28 Dec 2017 6:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	25.8	25.2	37.8

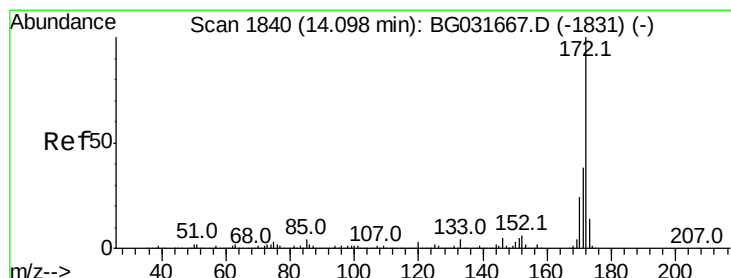
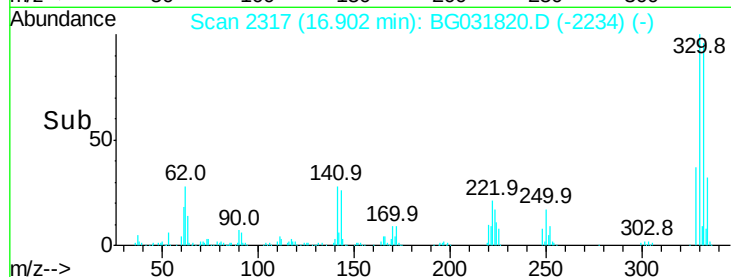
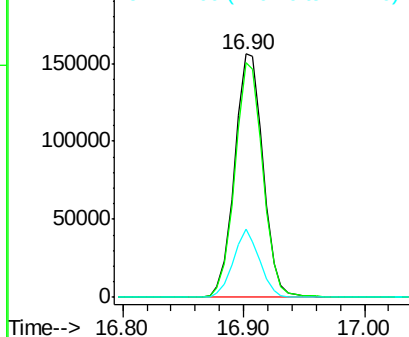


Abundance

Ion 329.80 (329.50 to 330.50): E

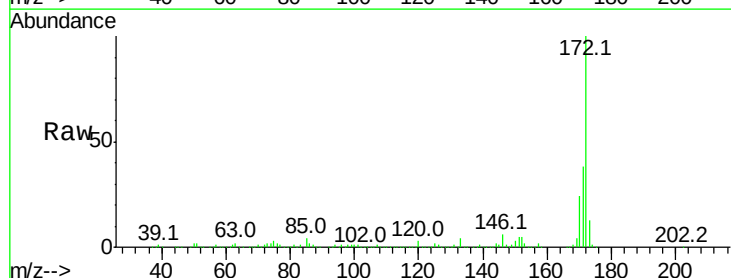
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 93.153 ng
 RT: 14.06 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: BG031820.D
 Acq: 28 Dec 2017 6:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	23.6	19.5	29.3

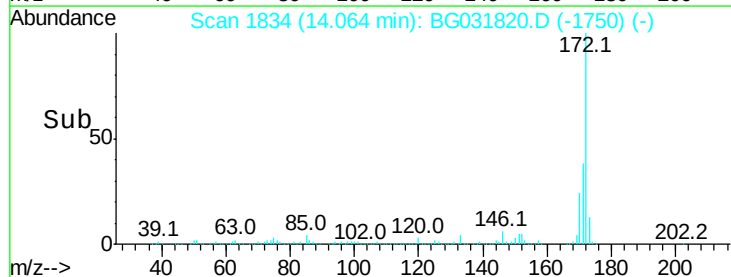
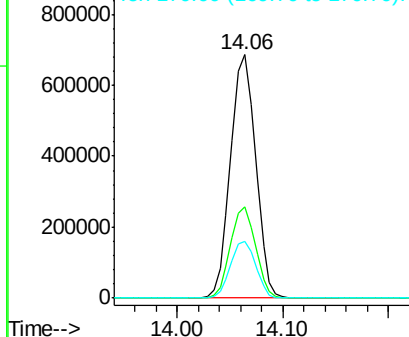


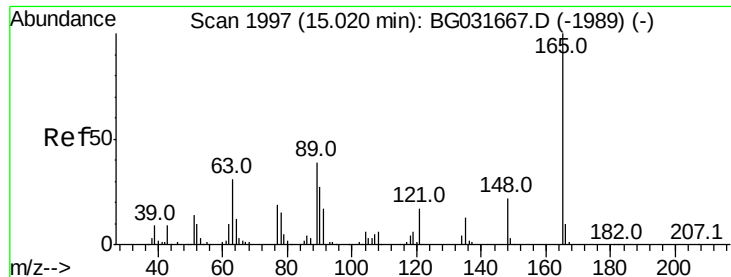
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

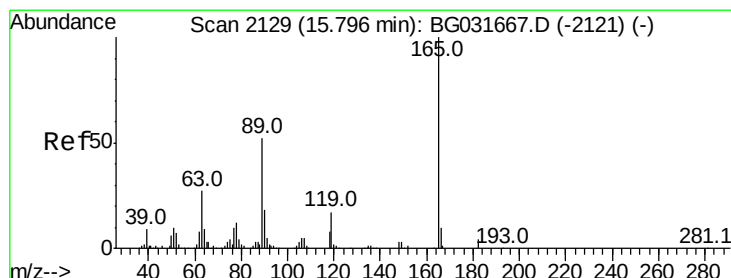
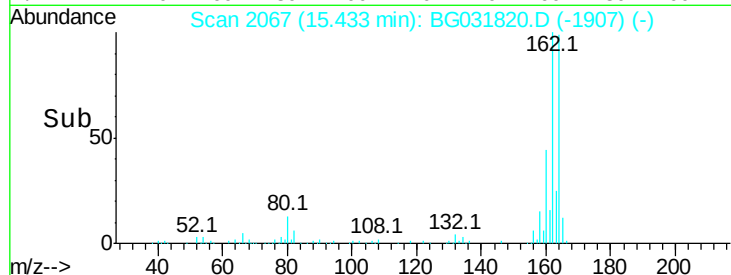
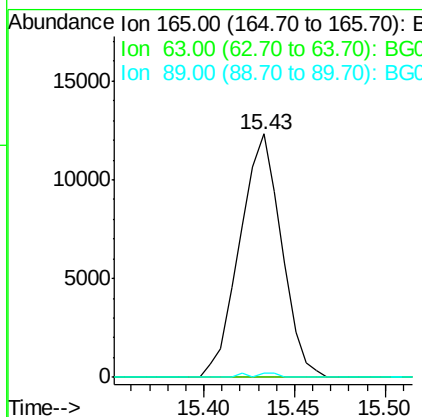
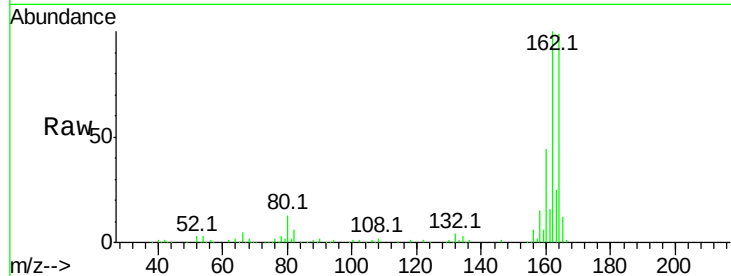




#50
 2,6-Dinitrotoluene
 Concen: 7.974 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. 0.41 min
 Lab File: BG031820.D
 Acq: 28 Dec 2017 6:33

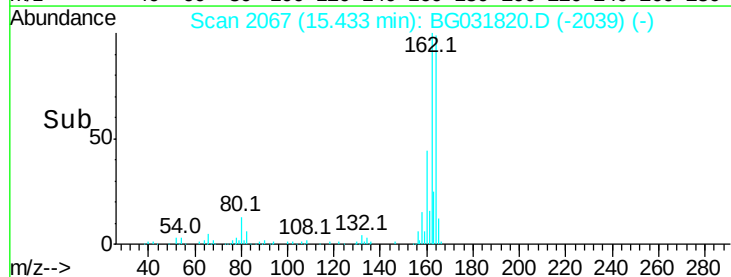
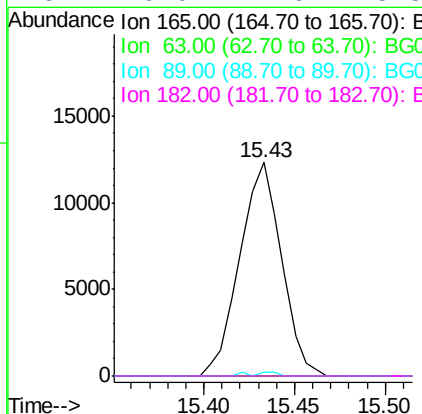
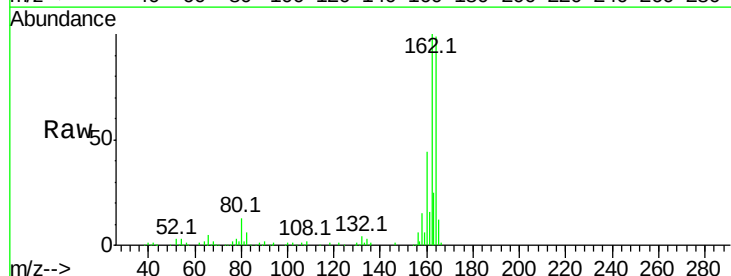
Instrument :
 BNA_G
 ClientSampleId :

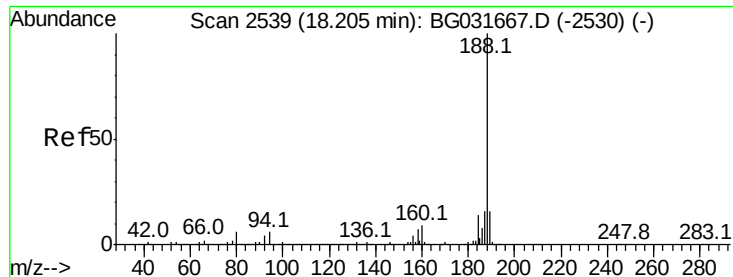
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.7	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.201 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.36 min
 Lab File: BG031820.D
 Acq: 28 Dec 2017 6:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.7	66.9	100.3#
182	0.0	2.6	3.8#

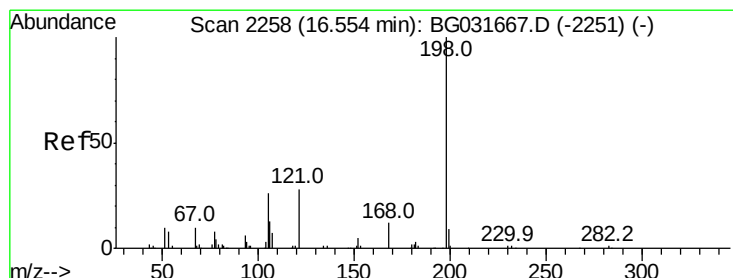
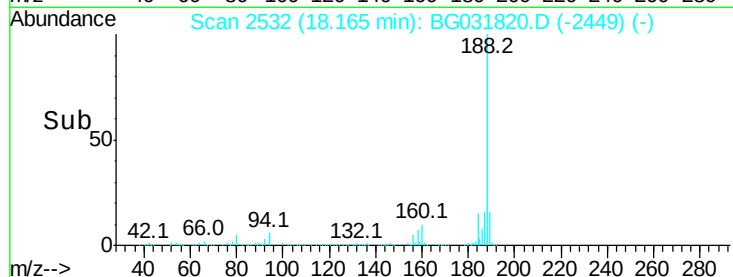
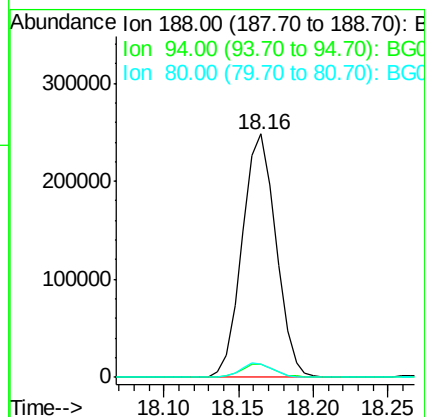
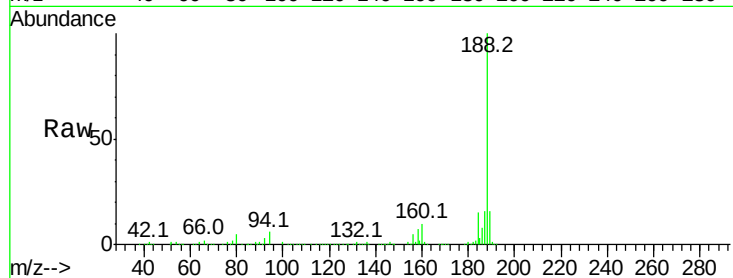




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.16 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BG031820.D
Acq: 28 Dec 2017 6:33

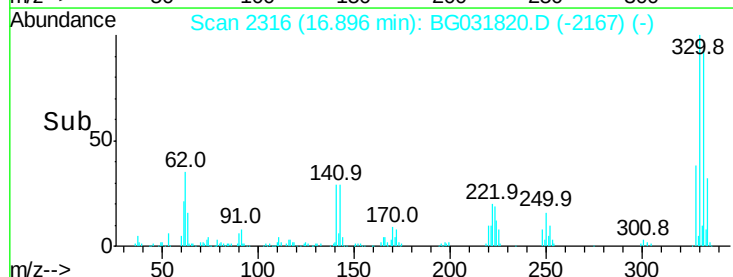
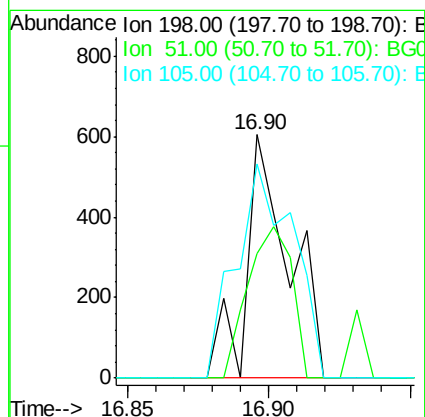
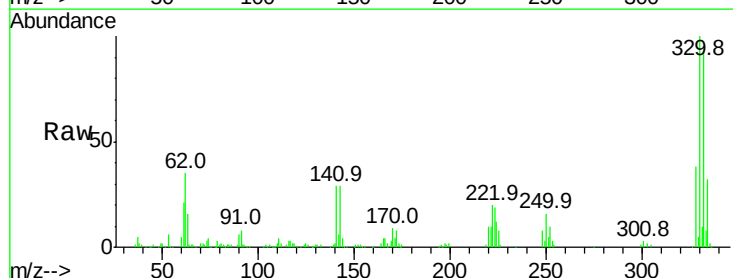
Instrument :
BNA_G
ClientSampleId :

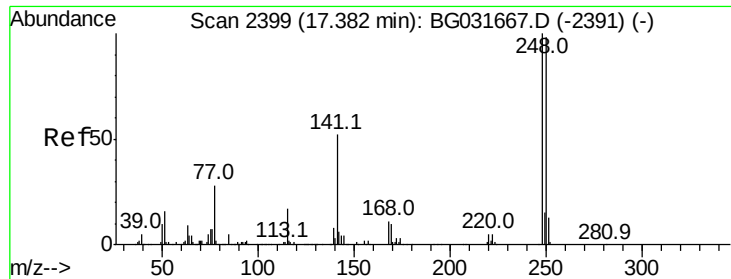
Tot Ion:188 Resp: 390089
Ion Ratio Lower Upper
188 100
94 5.6 6.9 10.3#
80 5.3 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.583 ng
RT: 16.90 min Scan# 2316
Delta R.T. 0.34 min
Lab File: BG031820.D
Acq: 28 Dec 2017 6:33

Tgt Ion:198 Resp: 635
Ion Ratio Lower Upper
198 100
51 51.2 30.6 70.6
105 88.1 23.8 63.8#

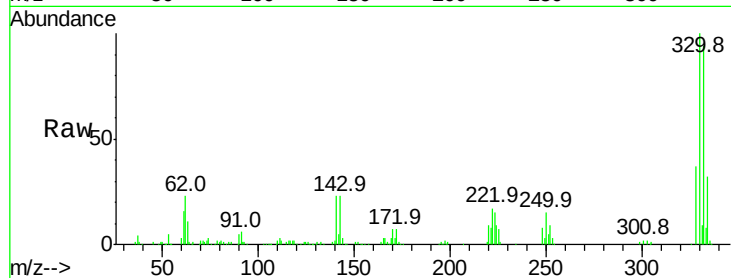




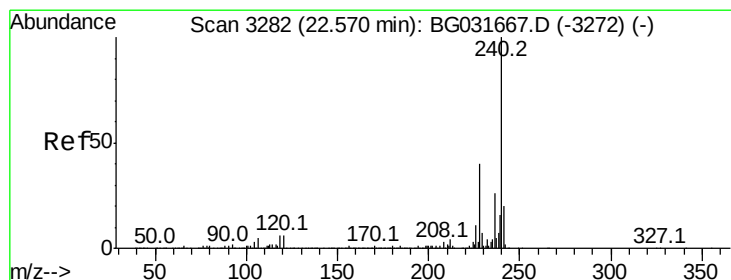
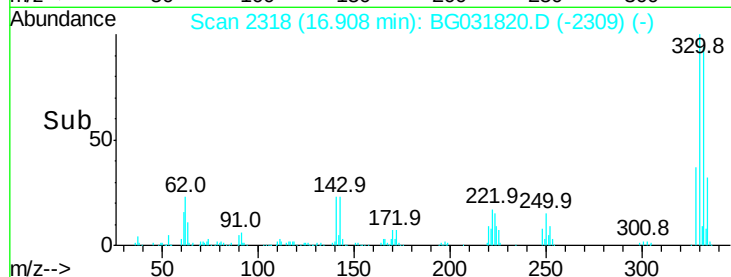
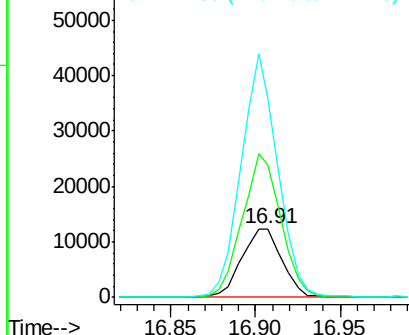
#66
4-Bromophenyl-phenylether
Concen: 3.609 ng
RT: 16.91 min Scan# 2318
Delta R.T. -0.47 min
Lab File: BG031820.D
Acq: 28 Dec 2017 6:33

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 20357
Ion Ratio Lower Upper
248 100
250 193.7 77.1 115.7#
141 290.8 50.8 76.2#

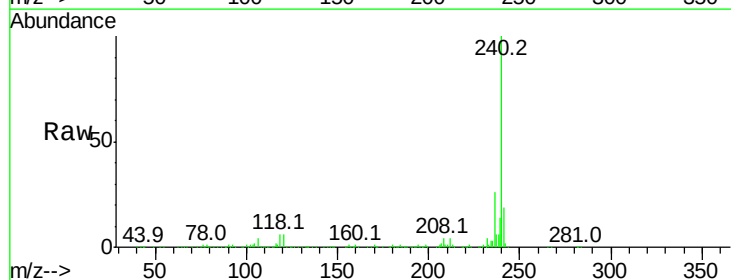


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

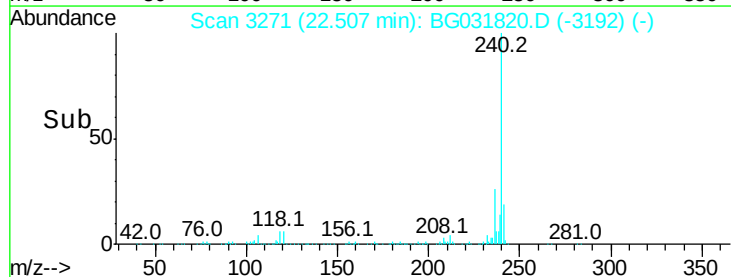
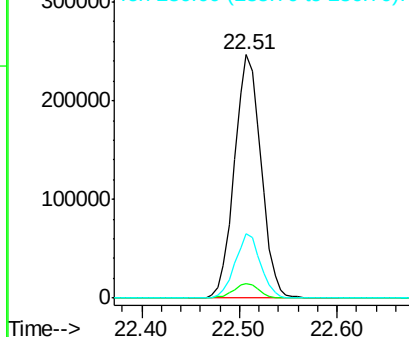


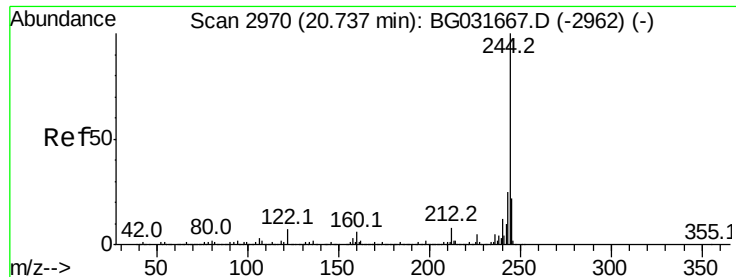
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.51 min Scan# 3271
Delta R.T. -0.06 min
Lab File: BG031820.D
Acq: 28 Dec 2017 6:33

Tgt Ion:240 Resp: 464809
Ion Ratio Lower Upper
240 100
120 6.1 6.8 10.2#
236 26.5 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 87.758 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031820.D

Acq: 28 Dec 2017 6:33

Instrument :

BNA_G

ClientSampleId :

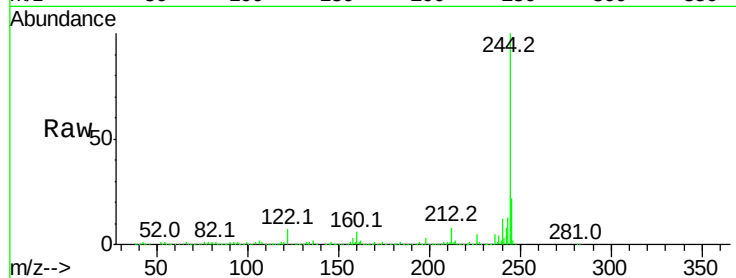
Tot Ion:244 Resp: 1785423

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

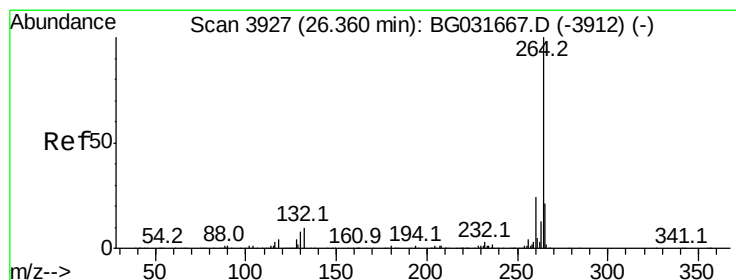
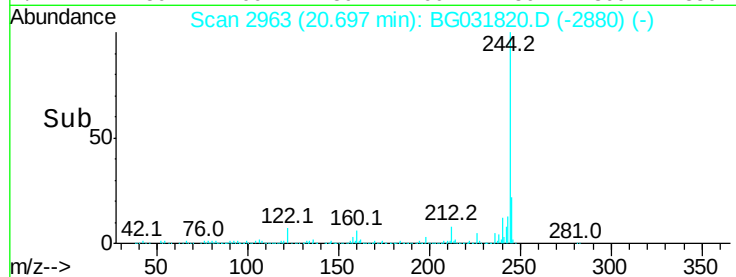
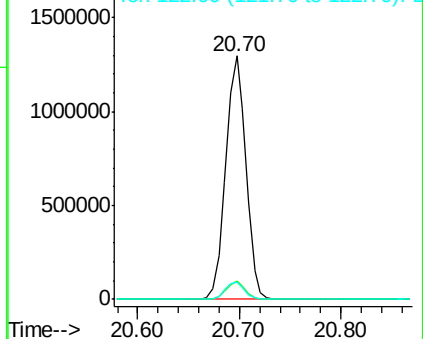
122 7.0 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.26 min Scan# 3909

Delta R.T. -0.10 min

Lab File: BG031820.D

Acq: 28 Dec 2017 6:33

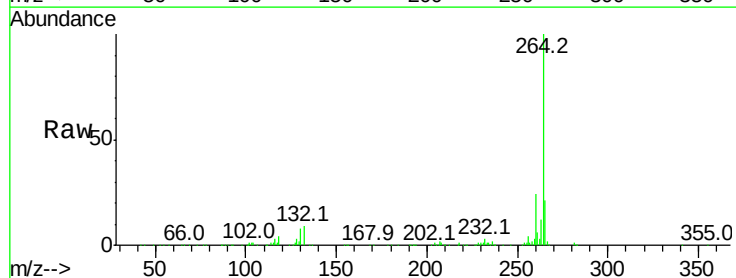
Tgt Ion:264 Resp: 480873

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 21.0 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

